

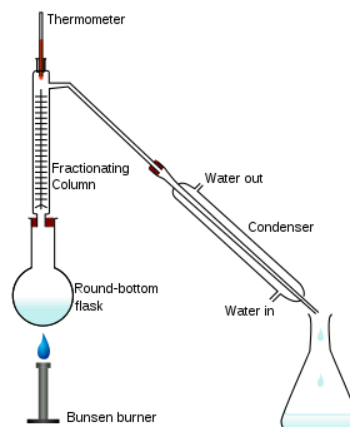
Unit Overview – Matter 1

You will learn about:

- Hazard symbols and equipment diagrams
- States of matter
- Particle model
- Diffusion
- Solutions
- Separating mixtures

Skill focus:

- Write a method on separating techniques



Key learning points		Key Words Particle Density Diffusion Dissolve Sublime Condense Evaporate Melting point Boiling point Mixture Filtration Distillation Filtration Crystallisation Chromatography Solvent Solution Soluble Insoluble Solute Saturation
State the 3 states of matter		
Describe the properties of: solids, liquids and gases		
Explain the particle model of matter		
Create particle diagrams for: elements, compounds, mixtures		
Define diffusion		
Explain what causes gas pressure		
Describe the changes of state		
Explain solvent and solute		
Describe the method for filtration		
Describe the method for evaporation and crystallisation		
Describe the method for distillation		
Describe the method for chromatography		
Evaluate the separation techniques and choose the correct one		
Describe solubility and saturation		
Links to other subjects: Geography (GCSE) <ul style="list-style-type: none"> • Water cycle 		
SMSC <ul style="list-style-type: none"> • Justify the cost of distillation in Dubai. 		
Numeracy <ul style="list-style-type: none"> • Drawing and interpreting graphs • Calculating a mean • Reading a scale and recording measurements 		
Literacy <ul style="list-style-type: none"> • Construct descriptions and explanations. • Identify advantages and disadvantages of two different solutions. • Identify and describe evidence. 		